Thomas Parke

mes a foogiet

Of the Principles of Bodies. The Object of chief End of Chymig. - bry, is to separate the different + Substances that enter into the composition of bodies; to examine each of them apart; to discovery Their properties & relations; to di : compose those very fubstances, of populle; to compare them together, and combine them is. others; to reunito them again into one body so as to reproduce the original compound with p all the properties; or even to y produce new compounds that never existed among the work, of nature, from mixtures of o: - their matters differently combined.

To these substances we may, in my opinion, give the title of Prince:

plus of Clements: at least they pare really such with regard to us.

Of this hind the principal are

Carth, Water, stir & Fire S. S. 1. Of airs

Air is that Fluid which we constantly breathe, & which encom: paper the whole furface of the terrestrial Globe Being heavy, Who all other Bodies, It penetrates into all places that are not ev: ther absolutely inaccifible, or felled with some other body , heavier, than itself. Its prince pal property is to be sufuptible of condensation and rarefaction; fo that the very same quantity of ten may occupy a much -

greater, or much smaller space. according to the different state it is in . Heat & fold , on if your well, the presence and absence of the partiely of Fin, are the most usu: : ab eaufu, & indued the Measures, of its condensation & rangaction. for of a certain quantity of the be heated, it bulh enlarges in pro: portion to the degree of heat ap. plied to it; the consequence where. of is that the same space now contains fewer partiels of Aur p than it did before. Gold again produces just the contrary of: s. 2. Of Water

Mater is a thing so well known, that it is almost needless to at: thempt giving a general idea of it here Every one knows that

it is a transparent insipie fub: Anne, & ujually fluid . I say it is ujually so; for being exposed to a certain degree food it becomes of solid: folidity therefore sums to be its most natural state Water being exposed to Fire grows hot; but only to a limited digree, beyond is it heat never rises . be The force of fire applied to it ever so violent: it is known to have acquired this degree of heat by it boiling up with great tu = : mult . Water cannot be made hotter, because it is volatile, and incapable of enduring The heat without bling evaporated and entirely displated ___ We dreved the two principles above treated of to be Volatile; that is, the action of Fire separates

them from the bodies they help to compose carrying them quite off, & dispipating them. That of which we are now to speak, marnely & Earth, is fixed, and, when it is abso: lutely pure, regists the utmost forw of Fire. So that, whatever remains of a body, after it hath been ex: posed to the power of the fresent thire, must be considered as con: taining nearly all its earthy from ceple is conjusting chiefly thereof. I qualify my expression thus for two reasons: the first is because it often happens, that this re mainder does not actually con: tain all the Earth which ex: uted originally in the mist body decomposed by Fire; fine it will aftervards appeal that Courth, the in it own nature fixed, may

be rendered volatile by being in: timately united with other fubstan: ces that are so; & that, in fact, it is common enough for part of the Earth of a body to be thus volatized by it other principles: Ahr freond is, that what remains after the calci: nation of a body is not generally the earth in perfect purity, but coms bind with form of its other principles, which the volatile in their own no. tures, have been fixed by the umon contracted between it and them. 5 4. Of Fire The Matter of the Sun, or of Light, the Phlogiston, Fire, the Sul: : phureous principle, the Inflama. mable Matter, are all of there names by which the plement of Fire is usually denoted. But it should sum, that an accurate differetion whath not get bun

made between the different states in which it exists; that is, between the phenomina of Fire actually ex: esting as a principal in The compos sition of bodies, and those which it exhibits when existing separately & in its natural state: not have proper diffinet appellations bein assigned to it in those different wis : cumstances . In the latter state we may properly give it the names of Fire, Mather of The Sun, of Light, & of Heat; and may consider it as a fubstance composed of infi: : nutely small particles, continue: - ally agetated by a most rapid motion, and of consequence of: A property of Fire is to dilate all bodies into which of pene: thates. This hath already been flewer with regard to aun & Water;

and it produces the same ef: fection Carthy Fire is the most powerfulls a: gent we can employ to decom. : pose bodies; and the greatest de: gree of heat producible by man, is that excited by the rays of the Sun collected in the focus of a large burning glass A general View of the Relations or Affinities be: : tween Bodies Defore we can reduce comp. Bodies to the first principles a: hove mention's, we obtain, by ana: : lysing them , certain fubstances which are indeed more simple p Than the Bodies the help to

compose, yet are themselves com: : posed of our primary principles. They are therefore at one of the same time both principles & compounds; » for which reason we shall call ex them by the name of secondary Frinciples Valine & orly matters + chiefly constitute this class. But yo before we enter upon an examina: tion of their properties, we shall ne give a general view of what Chy: must understand by the Relations or Afinities of Bodies; because it is necessary to know there in order to a diffinct conception of the dy: ferent combinations we are to treat All that hath been said concurs with daily observation to prove

that different bodies, whether prins ceples or compounds have such a mutual conformity, Relation, Afi: mety, or Attraction, if you will call it so, as disposes some of them to join & unite together, while they are ineas : pable of contracting any union with others. This effect whatever be its ? cause, will enable us to account for, and connect together, all the phe: momena that Chymitry produces. The nature of this universal of fection of matter is distinctly laid down in the following propositions. 1. If one fubstance has an afini: ty or conformity with another, the two wills unite together & form one com: 2. It may be faid down as a que

general rule, that all similar Jubetances how an affinity weach other, & are consequently disposed to unite; as water with water, earth with earth, op 3. Substances that unite together lose some of their separate properties I the compounds resulting from this umon partate of the properties of those fubitances which serve as their principles. 5 A . The fimples any fubstances are, the more perceptible & confiderable are their Affinities: whence it follows, that the left bodies are compounded, The more difficult it is to analyse them; that is, to feparate from each other the principles of which they consist

5. 4 If a body consist of two fub: stances and to this compound be presented a third fubstance that has no affinity at all with one of the two primary fubstances aforesaid, but has a greater affinis ty with the other than there two fubstances have with each other, there will ensue a decomposition, and a new union; that is, the thus Jubstance will separate the true com pounding fubstances from each other coalefu with that which has an Afinity with it, form therwith a news combination, and difingage the other, which will then be left at liberty, and juch as it was before it had contracted any uni:

Vol. 1. page 159 Opplanation of Geoffroy's Dable of Affinities. The late Mer Geoffroy, one of the best Chymist we have had, being con: vinced of the advantages which all who cultivate Chymistry wold re: receive from having constantly , before their eyes a state of the best afcertained relations between the they agent in Chymistry, was of: first who undertook to reduce them in order and unite them all in one point of view, by mean of a Table You have it here just as it was drawn up by M. Geoffroy, without any addition or alteration.

The upper line of this Table com: prepend several fubitances used in Chymistry, Under each of those Jubstances are ranged in diffinet columns feveral matters compard with them, in the order of their re: · lation to that first fubriance; fo as that which is the nearest to it, is that which hath the greatest of with it, or that which more of The fubstances standing below it, can reparate therefrom; but which, on the contrary, separates them als when they are combined with it, gexpels them the when in order to join itself therwith. The same es to be understood of that which vecupies the second place of af: finity; that is, it has the fame

property with regard to all below it, yielding only to that which is above it: & so of all the resters At the top of the first column stands the character which denotes an exceed in general . Immediately under this stands the mark of a fixed Alhali, being placed there as fubitance which has the great est affinity with an acid . After The Fired Alhali appears The Vola: tile alkali, whose affinity with s Acids, yields only to the Fixed Alha : li. Next comes the Absorbent Carth & last of all Metallic Substances Hence it follows that when a fix ed Alhali is united with an acid, it cannot be separated therefrom by any other fubitance; that a

Volatile Alhali united with an Acid cannot be separated fromit by any thing but a fixed Alhali, that an Absorbent Carth combined with an acid, may be separated p from it either by a Fixed or by a Volatile Alhali; and lastly, that any Metallic Substance combin with an acid, may be separated from it by a Fixed Alhali, a Vola: the alkali, or an absorbent last. At the head of the second co: : lumn stands the character of the Marine acid, which signifies that The affinities of this acid are the subject of the column . Immedi: : attly below it is placed the mark of Fin. In , then, is of all Metal: · line jubstances that which has

the greatest affinity with the Marine acid; & then follow Regulus of Anti: mony, Copper, Silver, Mercury . Gold last of all & there are no life than two vacant places above it. By this mens it is in some sort excluded from the rank of fubstances that have an affinity with the Ma: : rise deed. The reason thereof is that this acid alone is not capable of dy: solving Gold's combining there: The third column exhibits the affinities of the Nitrous Reid, the cha: : racted whereof stands at its head. Immediately below it is the sign of from, as the metal which has the greatest affinity with this Oleid; I then follow other metals, each

tion; to wit, Copper, Lead, Mercury, gelelver. The fourth column is intended, to represent the affinties of the Vitriolie acid. The fifth column flews the of: finities of Absorbent Earths. as then Carthe have no sensible affinity but with acid, this column contains on: by the characters of the acids ran: hed according to the degree of t their strength, or affinity with the Carthe; to wit, the Vitriolic, the Ni: trous , the Marine Acids. Under: neath this last might be placed the seed of Vinegas, of the Vegi: table acid any

She sixth column expresses the affinities of Fixed Alhalus with Huds, which are the same with those of Absorbent Garthe. Novewer we find Sulphur placed hore be: · low all the acids; breause diver, of Sulphur, which is a combination of sulphur with a fixed Alhali, is actually decompounded by any Acid: for any acid precipitates the Julphur & unite with the OAlhali.

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The feventh column points out the affinities of Volatile Alhalis, which are lihewise the same as p those of Absorbent Earths; and p the Vegetable Acid might be, placed here also under the p Marine Acid a

The eight column specifics the affinities of Metallie fubstances & with Acids. The affinities of the acids which it respect to Fixed Alkalis, Volatile Alhalis, & Absorbert Garthy, succeeded each other uniformly, do mat appear in the came order here. The Marine Acid, instead of be: ing placed below the Vitriolic and Actrous acids, franch, on the con: trary, at their head; because, in fact, this acid separates Metal: line substances from all the o: the deids with which they hap. pen to be united & forcing then Acids to quit possission intrudes + ento their place. Nevertheligs, this is not a general rule; for feveral Metal: · line substances must be excepted, From

The ninth column declares the affi: nities of Sulphur, Fixed Alhalis, Iron, Copper Lead , Silver, negulus of Anti: mony, Mercury, and Gold, Stands to · low it in the order of their affinities. With regard to Gold it must be ob: served, that it will not unth with pure sulphur; it suffer they to be s destolved only by Live of Lulphur, which is known to be a composition of Sulphur and Find Alhali . -At the head of the tenth column, appears Mercury, and Beneath it several Metalline fubstances, in the order of their affinities with it. Those Metalline fubstances are Gold, Felver Lead, Copper, Tine, & Regu: lus of Antomony.

The eleventh column Thews that Lead has a greater affinity with Ther than with Copper. The twelfth, that Copper has a greater affinity with Mercury than with Calamine. The therteenth, that Silver has agreated affinity with Lead than with Copper. The fourteenth contains the of: finities Iron . Negulus of Antime: : my stands immediately under: neath it, as being the Metallic ful. - stance which has the greatest The same is to be said of the faj: : teenth column: Regulus of Antimo: : my stand at it head; from is im: :mediately below it . &

Lastly, the sexteenth column that Water has a greater affinity with Sp. of Wine than with Salt. By this go: neval expression must not be un: : derstood any Saline Jubstance what. :ever; but only the Neutral Salts, which Ip of Wine free from the Was · ter that hept them in foliction , If there might be added another Thort column, having In of Wine at it head; immediately below should be the character of water, & below that the mark of Och. This column would show that Ip of Worn has a great el affinity wth water than with Oil; because an oily mather whate: vel, y is defeated in Sp. of Wine, may be actually separated from it by the affusion of Water,

Geoffroy's Table of the

I.	II.	1.	IV.	V.	VI.	M.	VIII
42,	>0	70	>O1	A	OV	On	MS
Ov	2	0	4	>04	>01	YOH	<i>γ</i> θ
Os	S	2	Ov	20	>0	10	101
¥	2	K	01	×O	>0	A	20
MS	3	¥	¥		平	115	4
:	ğ)	0	- 134	4		155-
in the		1000	Q	e de la composition della comp	1.18	35	
100	00	and the)			*	
entries.	0	3.35			1	NO.	7 -1 -5

A White Acid Alhali Dillvid of Some

Comparativo Affinities fundry Substances.

IX.	X.	XI.	XII.	XIII.	XIV.	XV.	W.
4	\$	九	4)	0	凹	V
Ov	0)	\$	大	田	0	137
0)	4	IC	4	中华	7.4	0
9	九		13	7.			
K	Q.	34	1				
7	Ze				6	• 5	
M	8		1				
ğ			,		100		
0	()		7 4	144			

the Characters.

& Copper or Venus.

8 From at Man.

R Lead of Saturn.

24 Jun of Jupital.

I C Calamin

A Sulphur A Shlogiston & Sp. of Virega

O Neutral Salta

V Ardent Spirits

Sark

Doctor Morgan's Table from Groffroys consi:

of Metals ... 27 There are six Metals, of which two are perfect & four Imperfect. The perfect ? Metals are gold poliver; the others are Copper, Fin, Lead, and From Jome Chy: mish admit a seventh Metal, to with Quich Silver: but as it is not mallea: ble, it has been generally considered as a motallie body of a particular hind. The ancient Chymist, or rather the Alchymist, who fancied a certain relation or analogy between Metals I the Heavenly Bodies , bestowed on The Jeven Metals, freehoning Quich Al. ver one of them the names of the se: ven Manets of the ancients, accordi ing to the affinity which they ima. gined the observed between those several bodies. y Thus

Thus Gold was called Tol, Tilver, o Luna, Copper Venus, Jim Jupiter, 70 Lead Saturn, From Mars, & Quich Felver Mercury. Metals are the heaviest bodies known in > nature S. 1. Of Golden Gold is the heaviest of all Metals. The art of wire drawing and gold p beating flew its wonderful ductile: : ty . The greatest violence of fire is not able to produce any alteration in it. y Tho' it be the most mallea: : ble & most ductile of all metals, it has the fingular property of loosing its ductility more early than any of them: even the fumes of charcoal an sufficient to deprive it thereof if they come in contact with it while it is in fusion The malleability of this metal, & in: : deed of all the rest, is also considera? : bly diminished by exposing it sudden : by to cold when it is red hot; for p example, by quenching it in water, or even barely exposing it to the edd Of it Carn Gold being constanly found in its metalline form, & never combin ? it. fulphus & arinic, its over are not , & properly speaking, ones; because the metal contained in themisnot mineralized. The gold they fare is only lodged between particles of Stone, earth or fand, from which it is easily separated by lotion, and by amalgation with quichulven Gold thus found is alloyed w. filver?

S. 2. Of Velver Next to Gold Silver is the most perfect metal. Like Gold it refish the utmost violence of fire, even in the focus of a burning-glass. However it holds only the second place among metals; because it is lighter Than Gold by almost half; is also some: what lefs ductile; & lastly, because it is acted upon by a greated num: ber of folvent. Yet Filver hath one advantage o: ver Gold, namely that of being ar little harder; which makes it also more famorus. This metal, like Gold, begins to flow when it is so thoroughly pe: netrated personal by the fire as appear ignited like a live coalse

The nitrous acid is the true folvent of Telver, & being somewhat dephegman : Fed will very early greadily take upo a quantity of silver equal int weight to etely Dilver unites w. Supphul infusion. Vilver unites & muxes perfectly with Gold in Jusion. The tre metals thus muxed form a compound with pro: : perties partaking of both. When Illvet is dissolved in aqua fortiset may be separated then: from by absorbent Earth & fixed Of its Gres. It is no rare thing to find films, as well as gold, in its metalline form, only lodged in fundry eath, & flong matters, from which it

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may be separated in the same manner as gold . But the great: est quantities of this metal are usually dug out of the bowch of The earth in a truly mineral states that is, combined with different sut : stances & particularly with Sulphus s. 3. Of Copper. If all the imprespect metals Copper comes the nearest to Gold & Filver. In natural colour is a dupored yellow. It resists a very violent de: gree of fire for a considerable time; but loosing it phlogiston at last, e it changes its metalline form for for that of a calx, or a pure red. : dish earth . 4 This mital is inferior to Silver in point of gravity nor is its duchli: ty so great, the it be pretty con: : siderable: but on the other hand, it exceeds that metal in hardness, The rust of Copper is always green or blue, or of a colour between there two . Internally used it is very nox: nous, being real porson, as are all the Tolutions of this metal, made by any and whatever. The blue co: · lour, which Copped constantly assumes when corroded by any saline fubriance, is a fure fign by which it may be discovered of wherever it exists, even in a very small quantity. If all the metals, next to Gold & chlock, Copper bean funon the longest without losing its phlogiston.

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Of gits Our Copper is much feldomer found in a metalline form, than gold or selved: it is commonly in a mineral state: it is mineralized by sulphus of arrenie: almost all its over contain also more or less iron; formetimes a bittle silver or even gold, together in. anmetallic earth of tones, as all over do . 2 Most copper ones are of a beating ful green or blue or else in shades blinded of these two colours. S.A. Of Fron Drow is lighter of ly ductile than Copper; but it is much harder, and of more difficult fusion. It is the only body that has the property of being attracted by the magnet, which therefore

serves to discover it wherever it is. But it must be observed that it hath this property only when in its metalline state & looses it when com verted to an earth or calx. Bar From is still harder to five than Mig Iron: to make it flow requires the most force of fire . From exposed to the fire, together with nitre makes it detonate pretty brishly, sits it in a flame, & decomposes it with rapidity. Of its Ores ... I hor is feldom found pure & malleable in the earth; yet it is much seldomer found in the mineral state, properly so called. than any of the other Metals: for most from ones are seared any

thing more than a ferruginous , earth mixed in different proporti: ons with unmetallicearthe and Thron is the commonest of all metals; nay, it is so univer: vally diffused through the earth, that it is difficult to find any flow, earth, or sand, that does not contain some of it; & there: : fore none of these are usually con: : sidered and treated as iron ones, ex: cept such as contain a great deal of that metal & melt early . ~ 8.5. Of Junes Frough it yields early to the in: : pression of hard bodies, it has but little duchlity. Being bent bach:

: wards of forwards it makes a small cracking noise of flows with a very moderate degree of fire, & long before Il comes to be not hot. If the call of Fin be urged by a strong fire it , grows white, but the greatest violence of heat will not fuse it; in makes some Chymists consider it as a cal: : cinable earth or an observent on, rather than a vitrifiable one. The cale of Fin thus vitrified is called Enamel. Cnamely are made of several colour by the addition of this or that metalline each.

Jin unites easily with all the metal; but it destroys the ductility of every one of them, Lead excepted. Nay, it possesses this property of making metals

brittle in fuch an eminent degree that the very vapour of it, when in fusion, is capable of producing this effect. Moreover, which is very singular, the most ductile metals, even Gold & Pilver, are those on w. it works this change with the most ease & in the greatest degree. Ten hath the property of giving a great lustre to all red colours in general; on which account it is used by the dyen for striking a beatiful fearlet. Water does not act upon this metal, as it does upon Iron and Copper; for which reason it is not subject to nust: nevertheless when it is exposed to the airs its surface soon looses its polish & splindour.

Of its Ores. Tin is never found in the earth , pure and malleable, but always in a mineral state, & always minerali: "Led by arrenic. Fin one are not sul! : phureous; whence it comes that though tim be the lightest of all metals, its over are neverthe. the heavier than those of other metals, as arrenic greatly exceeds sulphur in gravity Some tin ores contain also a little From. The over of tin are to be washed, roashed, of smulted with a reduce : cing flux according to the general s. 6. Of Lead. Next to Gold & Mercury Lead is the heaviest of all metalline fub:

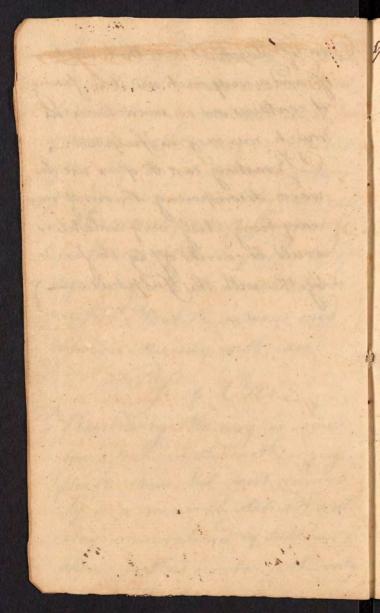
: stances, but in hardness is exceed: ed by every one of them. Of allone: tals it melts the easiest, except Jin. PLead be boiled for a long time in a lixivium of fixed alhali, + part of it will be dysolved. Sulphur renders this metal refractory & searce furible; & the maje they form when united toge: the u frable. of the Ores Lead, like tin, is never found & but in a mineral state It is most commonly mineralized by sulphus, get there are some lead over 1. which also contain arrence. Lead over, as well as all others, must be reasted and emelted with a reducing flux . ~

P Quick Silvers My reason why Quick Silver, by the Phymisti commonly called Mer: : cury, is not reputed a metalis, that it whats one of the exential properties thereof, to wit, mallea: bility. When it is pure and unddulterated with any mix: tun, it is always fluid, & of course unmallable But as on the o: the hand, it eminently popul. ses the opacity, the splendow, & above all the gravity of ame: :tal, being next to Gold ther heaviest of all bodies, it may be considered as a true metal. differing from the rest no other: wise, than by being constantly in fusion o

He Mercury be exposed to the great: est heat that it can bear without fublimation, & continued in it for several months, or even a whole p year together, it turns to a red + powder, which the Chymist call Mercurus pracipitus per fe. Mercury has the property of dissolving all the metals & non excepted, Pout the netrous acid depolves Mereury with ease. Of in Ores. Running Mercury is some: times found in the earth, or grey, frable stones; but most common: : ty in a mineral state. It is al:

ways mineralized by Sulphur & alone to that cinetar is the only

ore of Luck-silver, that we know of and a very rich one it is feeing it contains sur or seven times as + much mercury as fulphur. Roasting can be of no use to: : wards decomposing the ore of mess : cury being itself very volatile , would be carried off by the fire ? together with the fulphur.



Of Actin John May 90 th 45 Camination Jublic L. What anatomy & - w. a Sulton, how divided & - w. as contain'd in the Skull. - when does the Nerves arise Thowmany Bons in the Head. -wh! Bons constitute the -w. the shape of y? Rine - w. y! Shape of y! Vertibre? - W! is contained in the Thomas. - how are the Lungs covered. W. sort of a Membanis 4. Pluka & howmany have is the Heart covered . W. the Use of the Lungs - & eres all the Blood on the Body goo the the Lungs. W. as the Name of thop Vefrely that go thre the Lung

oW! The Use of y' Lactial & Mirvy W. Divide the 2 Cavitus of Body - Wigt Raped the Draftragm. - W! communicat! is There bet the Thorax & aboomen -- howmany purforations thery. Diapohragon 3 - Pret - how is the absomen divided - why there distinctions - why not in the Thorax - Where is the Live setuate - where y? Splum & Stomach Thoney the wind the diver. - w. is the Bile beere to from - Wis the Vina Porte ! - Whis the Wasto made of - Wis the une of the Venal Blood being taken to y Liver How is the Bil secretion Hall

W. To the arteries terminato in in the Liver in Widow the Pori Bil. Ferminate - Does the Bile Regurgetate. - how is the Bile propell into the Durdenurd - Hall -Ut is the Shape of y! Stomach. How does the aliment Pap on account of Valvey things howmany (rates has it 3 Is the mineular loot of the Stomach strong enough to perform Disgustion - howis it performed where is the atiment pro: · pelled to, from y: Nomach & how, w.y. Pylorus. W. is the difference between Why is the gut has down. Where does the Panereater Juice come from

M. y. Un of the Belo. Where are the Lactual setuate By w. power do the thise Laiteal take up thin fluid. - Where do they carry is to -- When the Thoracis Quet. - whit up - where does it - does the action of the The: rand Duck depend on the Hear - how is its fluid propelled. - What the Bile mixed with - how is the Blood carry a to the different p 3 of the Body. - at is an arthry - In-- Is there any protestaltie motions in the arthrest - you a de artiries terminations W. the Un of Vins W. the different between arterist & Veins have all Verns Valves -

My in the Veins of y Extremiter as them as many Vins as W. an Lymphatties how do you prove them abfort to When furited - Hidney how ist carry'd from gothern - where do they carry is to, can - the thin require tate Withing between Bladon howmany programmed on the abforment of the Unique covered W. is the Perstonenn -Ds it maist a dry -W is ya particula in g igreat Minw iarious the Gravel Do go otoms ever generated in any other friend the Body than is Blad

Whendoes the Artery End & the Vein begin - how is it known_ nos/ morgan_ Wis Chemistry - Ann trong How an they Destinguistion W. Analytis & yntheter We are Bodies of Element. Misan Ettom The Chemical Princeples Mare Minh W. a fampound w. G. defft W. a Freemp. & Juhar Lecomp? W. and Limitle Bodies rejolice - how are Aggregate Divided how forstit. & integrant fits W. is Note & how Deveted how is the Ried to perated

how is the alkali obtained by adding inflamably. Wis the Wit acid is it Mative Wis it combined With-W. is the composition of Sulphin Is it ever found united with Earthy Cuttanes: W. is the seffect when apply ? to any the acid & alhali. & Mater - I how do you dissolve Iron in the Bitriolic and - vilute Wis the Phonomenon how. We is Phlogerston - gravity of the aid W. is the Narky is it nightin: ignified in the Bookeld him. and they all diffe! acids. how does not the and of culfshing From tet Jubflances to The Reid of Vitriolichetty obtained -

Howmany Clason of Bodies are in Chemistry W. is a faline Body homany kinds of Latts are There howmany fimpsh Why called fimfolihomany hinds of acid- 4 Why are they called by the Names - from the Julfan the me howmany kind, of famp. fatts We aw the Mark of an Reid -W. that of an alhali -In there any other Mark of an Alkali Than that of hum gon of liot green W. The effects of uniting an aid Alkali togethe - can the be used to unequally

howmany hinos of forms. Talk W. an Metalle Salt, When is there an Instance this W. aw carthy Jalts -W. aw purging latt. - tarth the is the Effect of an acid united with an Earth - w! Efferve come W. the eff. of add) an Alcali to an farthy Jatt. howmany hindrof Alkali We is a fix I alkali Wa Wolatih Alkali Do these differ from one Another Do the Val. alhali when unito with alkali form the farm hind of alt as the fixt howmany hind of Ammon, howmany neut. Talls -W. Vil Dartas

W. Glaubin Vats W. y. difference of Tubic Frommon how is Notw obtained howmany hinds of Vall dos the Dourist acid afford W. is Degistion Salt W. common Sats Whit! Menderere ~ W. fall is Glauber fatts of: It is Inflam! July laner W. y. duffinction between an Inflam & Ignilio Bady Howing kind of Dorflow . bh Boder are then Horamany Kind rol Out enthind, are ther,

Why called by these Names Howmany hinds of Vegetable fit - What is Expressed, Grential, Simpy. In wt. Quality does an Express ed at y quality of Empyrumattacki. Howmany kinds of barthy Bodies W. an absorbent Earth Ma Chrystalline 2. W. is an Arcillación Body ott. Kind of larth is a falcarion grid an Example of Lim the is the particular quality Whis fex dir is there any surrounding using. Utmoffithe Earth. The of thre of Phrystalline Parth. glap. Is the action of y. Freme alone saff: event to convert it ente glafi a got time

Mr. the Changes in the Gualita, of Bodies depend upon W. is necessary " Ut is attraction - Election & Low is Election Attraction in Linge & Louble tti is fingle & Double to ather Howmany ho of Dightation This fa by Margan hu Satur Quetion Army; concerning and alkali, & The first motion of Books? her Kuhnbyun Anythem of Definition of M.m. how is Aringto known Whisher does it act on the Jungsh or moving which Hoy is afternments divided -When is Uge lath after the Vider

How to Calcanous aftering to act as afterery & Sufftances are used Will any of this fulftame, act en their Matin State whom How an Chaly beat Water known. Is water ever impregnated with (opper - how known) In there any difference in the Theto of Copper & Ironays Is Lead a Jage Medein -no W. part of the Body does Emollients arts on Which an the principle one Do they defin in the effects Thaty avantage of using warm Water How is Chape

W. parts to Almalant. act When Indreated Chinner W. the Efficients of Aimulant Is there any Assadvantage in a long the of Stomulant, Wis P. Bark is it industed in every thever - no What Fever is it orders in Which is the best method of giving the Bark in provde Water . What are troatives -En whit do this art -Waisey principal what a Is Phium useful in all parmino. I it we full in all thamadic comp. It of bervie in Clamorhages "fin W. one the effect of Y: Bath. Ally. in the effect of it of hoopen

May is the told felt for sensibly 59 as well as the heat I the Colo B: worfull in Conjump. tion, & other weaknesses I me-How is the Thelipsy cured Is is good This tired ages in Hyporon Winder I've an Emities at this Effet. Mis a Vialagos Which is the Hornwich one of will have any effect on the What the best form for Exhibition is a Salwat? allways needsary for evering thous Vinerea Willy Have it proper effect without Valvation Thin which is the best method that y advantage of giving the milder proparation of

Haller Wan of Effect of Polistin - an thy tisoulat? - why wood in Topical Inflam? W. aw exect of Canthardy when Taken internally Sures wit which are In milder what are of Aloctic purger what is the does of alder how is y? purgatives virtury of Rhubart. increased. by Calem Hun for Huching



